

*Mini Hi-Fi
Component
System*



Game SYNC

MHC-RG60

MHC-DX30/RG40

MHC-DX20/RG30



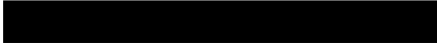
가

가



1
(CLASS 1 LASER)

1
(CLASS 1 LASER
PRODUCT MARKING)가



| | |
|-------|---|
| ..... | 4 |
| ..... | 5 |

| | |
|--------------|---|
| ..... | 6 |
| R6 (AA) | 8 |
| ..... | 8 |
| ..... | 8 |

| | | |
|-------|-------|----|
| CD | ..... | 9 |
| CD | ..... | 9 |
| — / / | ..... | 9 |
| CD | ..... | 10 |
| CD | ..... | 11 |

| | | |
|--------------|-------|----|
| ..... | 11 | |
| — | ..... | 12 |
| (RDS*: Radio | ..... | 13 |
| Data System) | ..... | 13 |

| | | |
|----------|-------|----|
| ..... | 14 | |
| ..... | 14 | |
| — CD / / | | 15 |
| ..... | 16 | |

| | |
|-------|----|
| ..... | 17 |
| ..... | 17 |

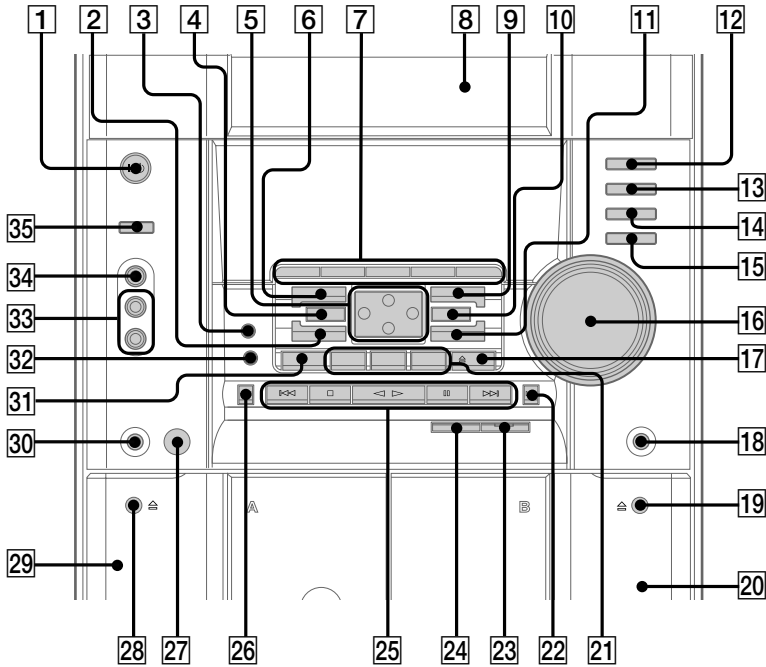
| | |
|-------|----|
| ..... | 18 |
| ..... | 19 |

| | | |
|-------|-------|----|
| — | ..... | 19 |
| ..... | 19 | |
| : | ..... | 19 |
| — | ..... | 21 |
| — | ..... | 21 |

| | | |
|-------|-------|----|
| A/V | | 22 |
| | 23 | |

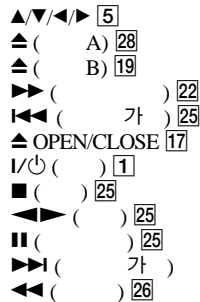
| | |
|-------|----|
| ..... | 24 |
| ..... | 25 |
| ..... | 26 |
| ..... | 27 |

*

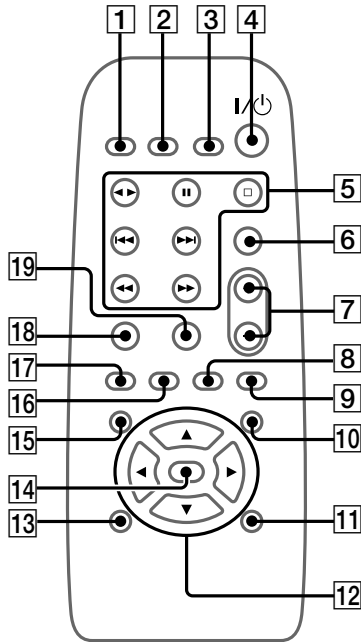


AUDIO **33** (23)
 CD **12** (9 - 11, 15, 16)
 CD SYNC **24** (15, 16)
 DIRECTION*¹ **7** (14 - 16, 20)
 DISC 1 - 3 **21** (10)
 DISC SKIP EX-CHANGE **31**
 (9, 10)
 DISPLAY **7** (11, 13)
 EDIT **7** (16)
 EFFECT ON/OFF **4**
 (18, 20)
 ENTER **10** (8, 10 - 12,
 16 - 18, 21, 22)
 GAME **35** (19, 23)
 GAME EQ **2** (17, 18)
 GROOVE **3** (17)
 KARAOKE PON*² **32** (20)
 MD (VIDEO) **15** (22, 23)
 MIC *² **30** (19)
 MIC LEVEL *² **27**
 (19, 20)

MOVIE EQ **9** (17, 18)
 MUSIC EQ **6** (17, 18)
 P FILE **11** (18)
 PHONES **18**
 PLAY MODE **7** (9, 10)
 PTY/DIRECTION **7** (13)
 REC PAUSE/START **23** (15)
 REPEAT **7** (10)
 SPECTRUM **7** (19)
 STEREO/MONO **7** (12)
 TAPE A/B **14** (14, 15)
 TUNER MEMORY **7** (11)
 TUNER/BAND **13** (11, 12)
 VIDEO **34** (23)
 VOLUME **16**
 A **29** (14, 15)
 B **20** (14 - 17)
8 (9)



*¹ PTY/
 DIRECTION
 *² MHC-DX30/DX20

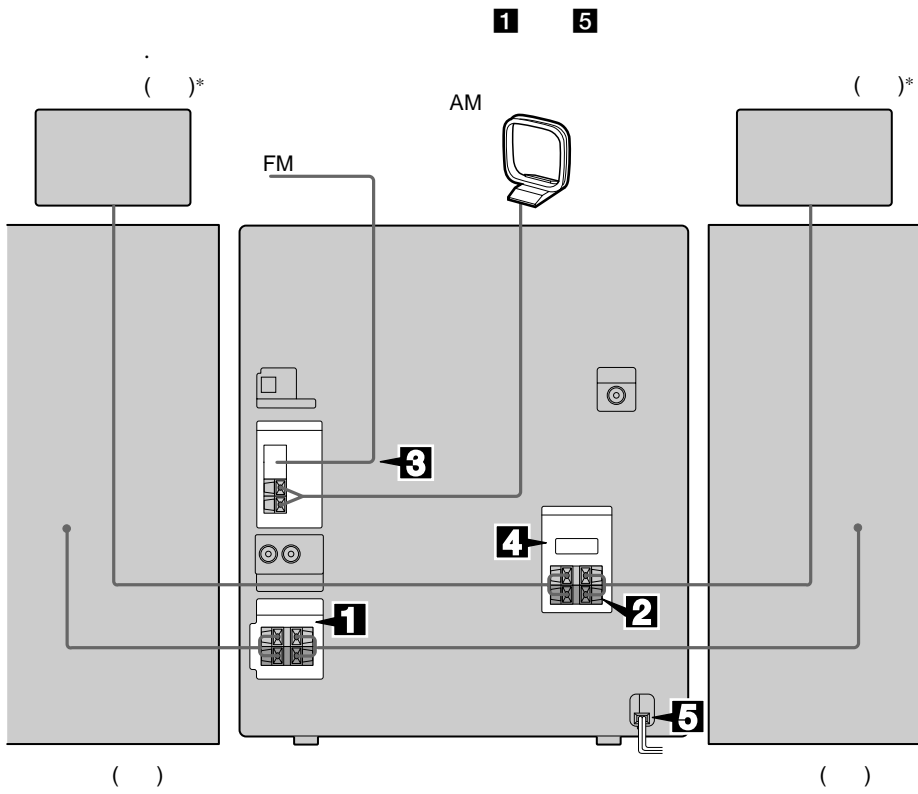


CD **17** (10, 11, 15, 16)
 CLEAR **6** (10)
 CLOCK/TIMER SELECT **2**
 (17, 22)
 CLOCK/TIMER SET **3** (8,
 16, 21)
 D.SKIP **19** (9, 10)
 EFFECT ON/OFF **11** (18)
 ENTER **14** (8, 10 - 12,
 16 - 18, 21, 22)
 GAME **18** (19, 23)

MD (VIDEO) **9** (22, 23)
 P FILE **13** (18)
 PRESET EQ **15** (17)
 SLEEP **1** (21)
 SURROUND **10** (19)
 TAPE A/B **8** (14, 15)
 TUNER/BAND **16**
 (11, 12)
 VOL +/- **7**

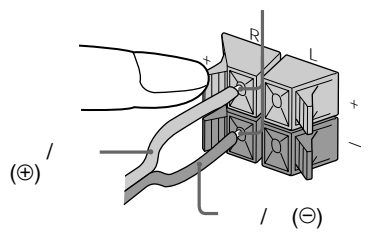


▲/▼/◀/▶ **12**
 ▶▶ ()/TUNING +
5
 ◀◀ (가)/PRESET -
5
 I/⏻ () **4**
 ■ () **5**
 ⏸ () **5**
 ▶▶ (가)/PRESET +
5
 ◀◀ ()/TUNING - **5**

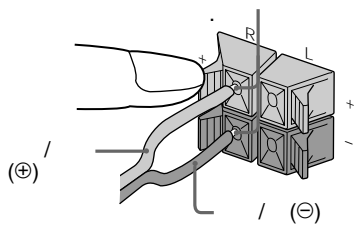


* MHC-RG60

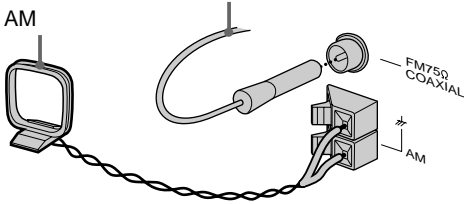
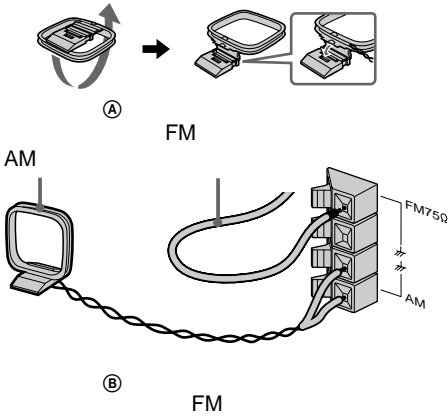
1
SPEAKER



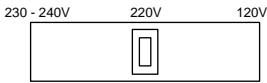
2
(MHC-RG60)
SURROUND SPK OUT PUT



3 FM/AM
AM



4 가
VOLTAGE SELECTOR

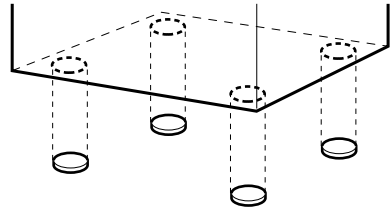


5



가

(가)



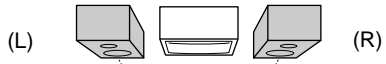
가

가

1

(MHC-RG60)

45



(L)

(R)

45°

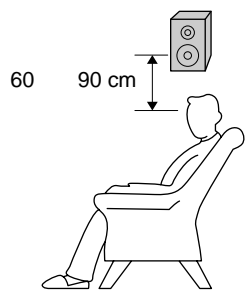
(L)

(R)

2

90 cm

60



()

CD

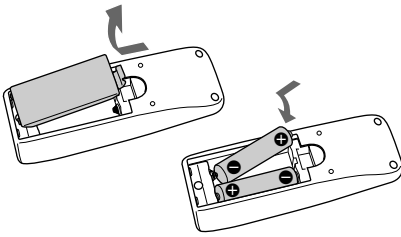
1

2 CD I/⏻
"STANDBY"

"LOCK"

3 AC

R6 (AA



6

4 ENTER

5 ▲ ▼

6 ▶ 가

7 ▲ ▼

8 ENTER

1

DISPLAY



I/⏻

DISPLAY

가

1

2 CLOCK/TIMER SET

"CLOCK" 5

3 ▲ ▼ "SET
CLOCK"

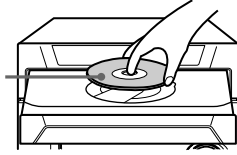
CD

CD

1 ▲ OPEN/CLOSE
가

2
CD

CD (8 cm)



가

SKIP EX-CHANGE

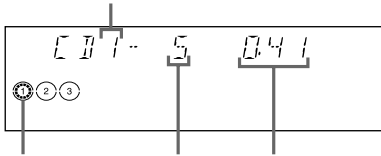
DISC

3 ▲ OPEN/CLOSE

CD

— / /

CD



1 CD

2 가
PLAY MODE

| | |
|------------------------|--------------|
| CONTINUE ALL DISCS () | CD |
| CONTINUE 1DISC () | CD |
| SHUFFLE ALL DISCS () | CD |
| SHUFFLE 1DISC () | CD |
| PROGRAM () | CD (10 "CD") |

/CD

3 ◀▶

| | |
|-------------------------------|-----------|
| ■ | ■ |
| () ▶▶ () | ▶▶ () |
| ◀▶ () | ◀▶ () |
| DISC 1 - 3 EX-CHANGE (D.SKIP) | DISC SKIP |

CD ()

CD DISC1-3 () CD가
CD 1-3

CD ▲ OPEN/CLOSE

CD DISC SKIP EX-CHANGE

() "REPEAT ALL"
"REPEAT 1"
REPEAT

REPEAT ALL*: CD

REPEAT 1**:

"REPEAT ALL"
"REPEAT 1"
REPEAT

* "REPEAT ALL" "SHUFFLE ALL DISCS"

**"REPEAT 1" REPEAT 1

CD

CD
32

1 CD CD

2 "PROGRAM"
PLAY MODE

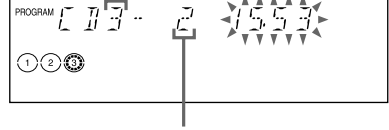
3 DISC1-3 CD

CD

"AL"

5

4 ◀▶



5 ENTER

가

6 가 3 5

3

7 ◀▶

"PROGRAM"
"SHUFFLE"
PLAY MODE

CLEAR

3 5

가

CD
 CD 가 21
 “----”가
 100
 CD

CD

DISPLAY

→ CD (1DISC)
 “----” (ALL DISCS) →
 (8) →

→ (8) → (8) →



20 FM 10 AM

1 TUNER/BAND “FM”

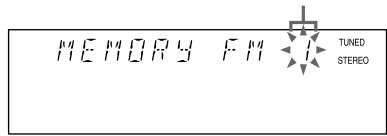
2 ◀ ▶ (TUNING
 +/-)
 가

가 “TUNED”
 “STEREO” ()
 가



3 TUNER MEMORY

가
 1



4 ENTER
 “COMPLETE”가

5 1 4

가
 2 ◀ ▶ (TUNING +/-)

CD

()



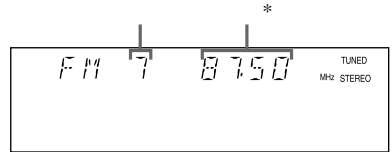
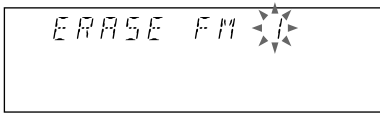
1 ◀▶ . 3

(11 ")

1 TUNER/BAND "AM" "FM"

2 ◀▶ (+/-) PRESET

1 TUNER MEMORY 가



2 ◀▶

* "ONE PRESET"

"ALL ERASE"

2

◀▶ (TUNING +/-)

▶▶ (TUNING +/-)

3 ENTER "COMPLETE"가

• FM STEREO/MONO 가 "MONO"

가

AM ()

AM 9 kHz (10 kHz)

. AM AM

ENTER

AM

12

(RDS: Radio Data System)

(PTY)

RDS

()

?
(RDS)

가

RDS FM
*

RDS

가

RDS
RDS

* FM RDS

RDS

RDS

FM
RDS

RDS
DISPLAY

→ * → → *
* RDS

NEWS, AFFAIRS
(), INFO, SPORT, EDUCATE
(), DRAMA, CULTURE,
SCIENCE, VARIED (),
(), POP M, ROCK M, EASY M, LIGHT
M, CLASSICS, OTHER M, WEATHER,
FINANCE, CHILDREN, SOCIAL,
RELIGION, PHONE IN, TRAVEL,
LEISURE, JAZZ, COUNTRY (),
(), NATION M (), OLDIES,
FOLK M, DOCUMENT (),
TEST (),
ALARM () NONE ()

1 PTY/DIRECTION

2 ◀▶

3 ENTER
가 RDS
("SEARCH")

가
가

4 ◀▶

5 ENTER 가

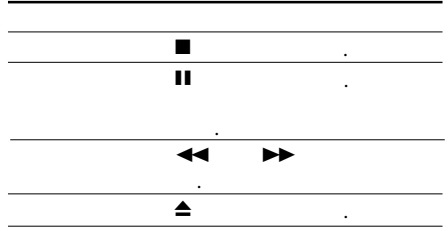
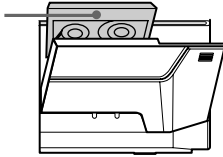
PTY
PTY/DIRECTION

"NO PTY"가

1 TAPE A/B A

2 ▲ B

3 / A B



(AMS)*

▶가 ▶▶▶▶

“ TAPE A (TAPE B) >>>> +1 ”

◀가 ◀◀◀◀

“ TAPE A** (TAPE B) <<<< +1 ”

▶가 ◀◀◀◀

“ TAPE A (TAPE B) <<<< -1 ”

◀가 ▶▶▶▶

“ TAPE A** (TAPE B) >>>> -1 ”

* AMS (Automatic Music Sensor)

**MHC-DX20/RG30

A

TYPE I ()

1

2



DIRECTION

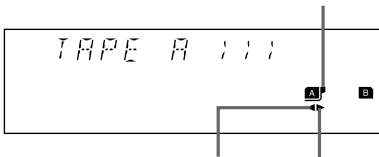
↔*

RELAY ()**

3



*



* MHC-DX20/RG30

A

**

A () → A () → B ()
) → B ()

MHC-DX20/RG30

B가


A

AMS

4 가

— CD / /

CD, . TYPE I ()

| | | |
|---|---|-------------------------|
| | CD (CD) | CD/ / |
| 1 | B 가 | |
| 2 | CD | CD, TAPE A/B TUNER/BAND |
| 3 | CD | CD/ |
| 4 | CD SYNC | REC PAUSE/START |
| | B가 REC PAUSE/START | |
| 5 | DIRECTION ⇄ ↔ (DELAY) | |
| 6 | REC PAUSE/START | |
| 7 |  | |

■

• B 1 TAPE A/B

• TAPE B

()

CD

—

1 CD B 가

2 CD

3 "PROGRAM"
PLAY MODE

4 DISC1 - 3 CD

5 ⏮ ⏭

6 ENTER

가

7 가 4 6

8 A ⏸

9 5 6
6 B 4

10 CD SYNC
B가 ⏮

(

). CD

11

DIRECTION

⇔

↔ (RELAY)

12 REC PAUSE

CD

CD EDIT CD
가 CD A B

"EDIT"가

()

20 CD



(11 " "

(8 " ") "

).

1

(" " 12).

2

CLOCK/TIMER SET

"SET DAILY 1"

3 ▲ ▼

ENTER

"SET REC"

"ON"

가

4

▲ ▼ ▶
가

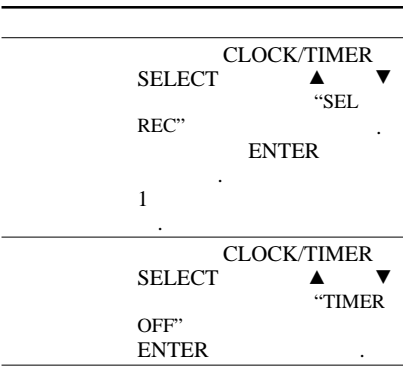
▲ ▼
ENTER

5 4

(, "TUNER FM5")

6 B 가

7 I/O



(, VCD) GROOVE V-GROOVE

GROOVE

GROOVE ON* → V-GROOVE ON* → GROOVE OFF

* "GROOVE"

MUSIC EQ*, MOVIE EQ* GAME EQ* (PRESET EQ**)

" "

*

**

가

()

“EFFECT OFF”가
EFFECT ON/OFF

“SURR”가

MUSIC EQ

ROCK
POP
JAZZ
DANCE
SOUL
ORIENTAL

MOVIE EQ

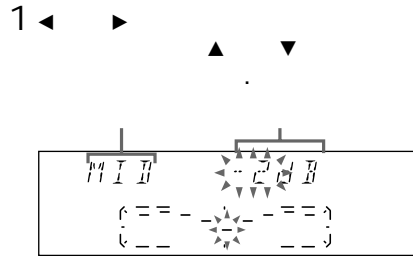
ACTION
DRAMA
MUSICAL

GAME EQ

ADVENTURE PlayStation 1, 2
ARCADE
RACING



(P FILE)



2 P FILE

가

3 P FILE

P FILE 1-3

4 ENTER

“COMPLETE”가

3

P FILE

가 “EFFECT OFF”
ON/OFF EFFECT

SURROUND

SURR ON () ↔ SURR OFF ()

가

GAME

• GAME EQ ()가

SPECTRUM

PATTERN 1 → PATTERN 2 →
PATTERN 3 → PATTERN OFF ()

(MHC-DX30/DX20)
가

1 MIC LEVEL MIN

2 MIC

3 KARAOKE PON

KARAOKE PON ↔
* KARAOKE PON

4

5 MIC LEVEL

MIC LEVEL MIN MIC
PON” “KARAOKE
KARAOKE PON

- 가 “KARAOKE PON”
- KARAOKE PON
- MUSIC EQ, MOVIE EQ, GAME EQ
EFFECT ON/OFF (PRESET
EQ)
- 가 가 가
- 가
- 가
- 가
- 가 가
- 가

1 “ ” (1 5
B 가

2 (, CD).
TAPE A
TAPE A/B TAPE A

3 REC PAUSE/START
B가 . REC
PAUSE/START

4 DIRECTION ⇒
⇔ (RELAY)

5 REC PAUSE/START

6 ◀▶

■

- (가) 가
- CD CD
- 가
- (



—

SLEEP

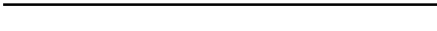
(

)

:

AUTO* → 90 → 80 → 70 → ... → 10
→ OFF

* CD (100
)



SLEEP



SLEEP



“SLEEP OFF”가
SLEEP



—

(8 “ ”).

1

• CD: CD
(10 “CD
”).
• :
• : (12 “
”).

2

3

CLOCK/TIMER SET

“SET DAILY 1”

4 ▲ ▼

(2) “DAILY 1
ENTER

“ON” 가

5

▲ ▼
▶
가

▲ ▼
ENTER

6 5

7

▲ ▼



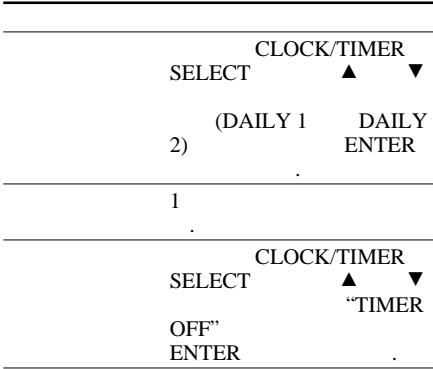
()

8 ENTER

(DAILY 1 DAILY

2) , ,

9 I/⏻



15

• DAILY 1 DAILY 2

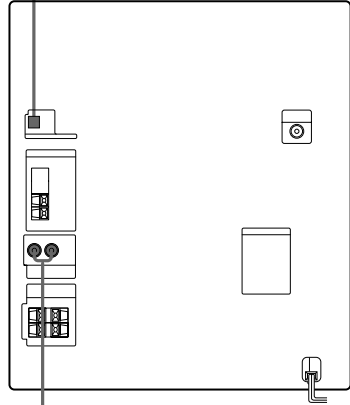
• 가

•

A/V

MD VCR

MD



MD VCR

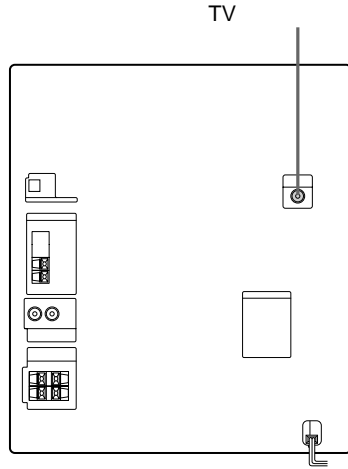
CD MD

MD MD (VIDEO)

VCR MD (VIDEO)
I/⏻

“MD”
“VIDEO”
“VIDEO”
MD (VIDEO)

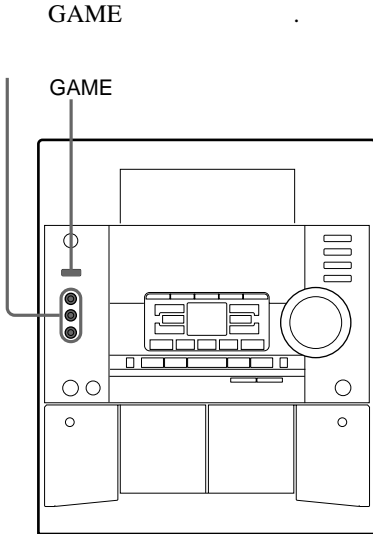
- MD (VIDEO) "MD"
- MD (VIDEO) I/⏻
- "VIDEO" "MD"
- "VIDEO"
- MD
- MD (VIDEO) MD
- "MD" MD (VIDEO)
- I/⏻
- VIDEO CD "MD"



AUDIO VIDEO

VIDEO OUT TV

- TV 가
- " " 17
- GAME GAME
- GAME EQ (
- GAME GAME
- GAME EQ



CD-R
CD-R

가

• 가 AC ()

• () ()

• 가

• AC

•

•

•

— 가
— 가
—
—

• 가 가 CD

.CD

가

가

가

10

가 Sony

CD

• 가 CD CD

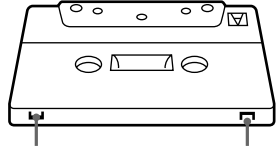
가 CD

20

30

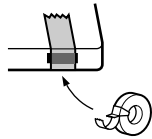
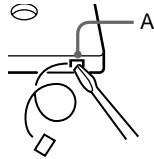
• CD

A B



B

A



가
90



가

가 가

가 Sony



“ ” 5). (7
• DISPLAY

• 12 / / 가 가
— 8 “ ” :
— 11 “ ” ”
“ ” 21 “
“ ” 16 ”

• VOLUME
•
•
SPEAKER 가
• 가

• TV VCR 가
TV VCR

가
• MD (VIDEO)
“VIDEO”가 “MD” A/V
” (22).

“0:00” (“12:00 AM”) 가

가
•

CLOCK/TIMER SET DAILY 1,
DAILY 2, REC가
•
•

•
•
•
• 가 가

TV
• TV 가 15 30
TV

“PROTECT” “PUSH POWER”가
• 가 I/O
가 I/O
“PROTECT” “PUSH POWER”가
I/O



()

- 가 가
- 가
- + -

CD

- CD 가
- CD가
- CD가
- CD가
- CD가
- CD가 CD가
- CD 가
- 가
- “SHUFFLE” “PROGRAM” PLAY MODE

- 가
- 가 (24
- “ ”).
- 가
- 가 (24 “
- / “ 가 ” (24
- “ ”).
- 가
- / “ 가 ” (24
- “ ”).

- 가
- (24 “ ”).
- 가
- / “ 가 ” (24
- “ ”).

- “TUNED” “STEREO”가 ().
- 가
- FM
- STEREO/MONO “STEREO”가

- 가
- 1
- 2
- 3 ■, ENTER, I/O
- 4 I/O



- 가
- 가
- NO DISC
- CD가
- OVER
- CD



MHC-RG60
RMS ()
100 + 100
(1 kHz 6 ,
10% THD)
0.07%
(1 kHz 6 ,
50 W)

MHC-RG40
RMS ()
100 + 100
(1 kHz 6 ,
10% THD)
0.07%
(1 kHz 6 ,
50 W)

MHC-RG30
RMS ()
60 + 60
(1 kHz 6 ,
10% THD)
0.07%
(1 kHz 6 ,
30 W)

MHC-RG60
DIN () 80 + 80
(1 kHz 6 ,
DIN)

RMS ()
100 + 100
(1 kHz 6 ,
10% THD)
() 180 + 180
(1 kHz 6 ,
10% THD)

MHC-RG40
DIN () 65 + 65
(1 kHz 6 ,
DIN)

RMS ()
80 + 80
(1 kHz 6 ,
10% THD)
() 150 + 150
(1 kHz 6 ,
10% THD)

MHC-RG30
DIN () 50 + 50
(1 kHz 6 ,
DIN)

RMS ()
60 + 60
(1 kHz 6 ,
10% THD)
() 115 + 115
(1 kHz 6 ,
10% THD)

MHC-DX30
AC 120, 220, 240 V 50/60 Hz
DIN () 100 + 100
(1 kHz 6 ,
DIN)
RMS ()
120 + 120
(1 kHz 6 ,
10% THD)

MHC-DX20
AC 120, 220, 240 V 50/60 Hz
DIN () 50 + 50
(1 kHz 6 ,
DIN)
RMS ()
60 + 60
(1 kHz 6 ,
10% THD)

MD/VIDEO (AUDIO) IN ():
450/250 mV,
47

GAME (AUDIO) IN ():
450 mV,
47

MIC (): 1 mV,
10

PHONES (): 8

FRONT SPEAKER: 16 6

SURROUND SPEAKER (MHC-RG60): 16 6

CD

(λ=780 nm)
44.6 μW*
7 mm

200 mm
2 Hz - 20 kHz
(±0.5 dB)
780 - 790 nm
90 dB
90 dB

CD OPTICAL DIGITAL OUT
(,)
660 nm
-18 dBm



()

4 2
40 - 13,000 Hz (±3 dB),
Sony TYPE I
±0.15% W.Peak (IEC)
0.1% W.RMS (NAB)
±0.2% W.Peak (DIN)

FM , FM/AM

FM
87.5 - 108.0 MHz
FM
75
10.7 MHz

AM

: 530 - 1,710 kHz
() 10 kHz
531 - 1,710 kHz
() 9 kHz
: 531 - 1,602 kHz
() 9 kHz
: 531 - 1,602 kHz
() 9 kHz
: 531 - 1,602 kHz
() 9 kHz
530 - 1,710 kHz
() 10 kHz
AM
450 kHz

MHC-RG60
MHC-RG40

: SS-RG60
SS-RG40
3- , 3- .

: 13 cm,
13 cm,
5 cm,
6
(/ /) 215 × 325 × 277 mm
4.3 kg

MHC-RG30

SS-RG30
2- ,

: 13 cm,
5 cm,
6
(/ /) 200 × 325 × 223 mm
3.4 kg

MHC-RG60

SS-RG60

: 8 cm,
16
(/ /) 180 × 101 × 198 mm
1.0 kg

MHC-DX30

SS-DX30
3- , 3- .

: 13 cm,
13 cm,
5 cm,
6
(/ /) 215 × 325 × 277 mm
4.3 kg

MHC-DX20

SS-DX20
2- ,

: 13 cm,
5 cm,
6
(/ /) 200 × 325 × 223 mm
3.4 kg

: 120 V AC, 60 Hz
 : 230 V AC, 50/60 Hz
 : 230 - 240 V AC,
 50/60 Hz
 : 120 V AC, 50/60 Hz
 : 220 V AC, 60 Hz
 : 120 V, 220 V 230
 - 240 V AC, 50/60 Hz

가

:
 MHC-RG40: 140
 MHC-RG30: 110

:
 MHC-RG60: 175
 MHC-RG40: 140
 MHC-RG30: 110

:
 MHC-RG60: 175
 MHC-RG40: 140
 MHC-RG30: 110
 MHC-RG60/RG40/RG30:

0.5 ()

:
 MHC-DX30: 175
 MHC-DX20: 110

(/ /) 280 × 325 × 421 mm

:
 HCD-RG60: 9.5 kg
 HCD-RG40: 9.0 kg
 HCD-RG30: 8.0 kg

:
 HCD-RG60: 10.0 kg
 HCD-RG40: 9.0 kg
 HCD-RG30: 8.5 kg

:
 HCD-DX30: 10.0 kg
 HCD-DX20: 8.5 kg

: AM (1)
 (1)
 FM (1)
 (8)



